2935-546 (01-12-2011 (1/50

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

January 12, 2011

5888209
332/1300

Ms. Anne Downs
Senior Registration Specialist
Wilbur-Ellis Company
Product Regulatory Department
P.O. Box 1286
Fresno, CA 93715

Dear Ms. Downs:

Subject: PN ALL SEASON SPRAY OIL
EPA Registration Number 2935-546
Notification Submission dated December 1, 2010

The Agency has received your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated December 9, 2010, for the product PN All Season Spray Oil, EPA Reg. No. 2935-546. The Registration Division (RD) finds that the actions requested fall within the scope of PRN 98-10.

One copy of each of the labels pertaining to the three alternate brand names sought has been stamped "Notification" and placed in our records.

If you have any questions, please call me directly at 703-305-6406.

Sincerely,

William W. Jacobs
Insecticide-Rodenticide Branch
Registration Division (7505P)
Office of Pesticide Programs

mailed to

Anne Downs
Wilbur-Ellis Company
841 W. Elkhorn Blvd.
Rio Linda, CA 95673

Please read instructions on reverse before completing form. Form Approved. OMB No. 2070-0060

EPA United States Environmental Protection Agency Washington, DC 20460	[ ] Registration [ ] Amendment [X] Other	OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number	2. EPA Product Manager	3. Proposed Classification
2935-546	Venus Eagle	[X] None [ ] Restricted
4. Company/Product (Name)	**PM#**	
PN All Season Spray Oil	01	

5. Name and Address of Applicant *(Include ZIP Code)*

Wilbur-Ellis Company
PO Box 1286
Fresno, CA 93715

[ ] *Check if this is a new address*

6. Expedited Reveiw. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to:

NOTIFICATION

EPA Reg. No. _____

JAN 12 2011

Product Name _____

Section - II

[ ] Amendment - Explain below.

[ ] Resubmission in response to Agency letter dated _____

[X] Notification - Explain below.

[ ] Final printed labels in repsonse to Agency letter dated _____

[ ] "Me Too" Application.

[ ] Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Wilbur-Ellis Company is submitting a Notification for PN All Season Spray Oil, EPA Reg. No. 2935-546, proposing three (3) Alternate Brand Names as follows: 415 Superior Spray Oil, 440 Superior Spray Oil, and 470 Supreme Spray Oil. All three labels are identical to the basic label, PN All Season Spray Oil. This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the Confidential Statement of Formula of this product. I understand it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent.....(continued on next page)....

Section - III

1. Material This Product Will Be Packaged In:

Child-Resistant Packaging	Unit Packaging	Water Soluble Packaging	2. Type of Container
[ ] Yes [ ] No	[ ] Yes [ ] No	[ ] Yes [ ] No	[ ] Metal [ ] Plastic [ ] Glass [ ] Paper [ ] Other (Specify) _____
* *Certification must be submitted*	If "Yes" Unit Packaging wgt. / No. per container	If "Yes" Package wgt / No. per container	

3. Location of Net Contents Information	4. Size(s) Retail Container	5. Location of Label Directions
[ ] Label [ ] Container		[ ]

6. Manner in Which Label is Affixed to Product [ ] Lithograph [ ] Paper glued [ ] Stenciled [ ] Other _____

Section - IV

1. Contact Point *(Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)*

Name	Title	Telephone No. (Include Area Code)
Anne Downs	Senior Registration Specialist	916.991.9816

Certification

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowlingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

6. Date Application Received (Stamped)

2. Signature	3. Title	5. Date
Anne Downs	Senior Registration Specialist	12/1/2010
4. Typed Name: Anne Downs		

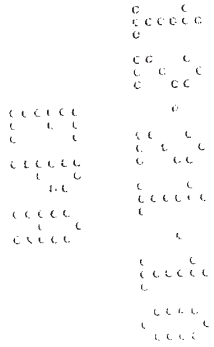
EPA Form 8570-1 (Rev. 3-94) Previous editions are obsolete. White - EPA File Copy (original) Yellow - Applicant Copy

Section – II

(continued from the field

entitled "Explanation")

.....with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under section 12 and 14 of FIFRA.



WILBUR-ELLIS®

December 1, 2010

Ms. Venus Eagle
Product Manager 01
Insecticide-Rodenticide Branch
Registration Division (7505 P)
Office of Pesticide Programs
One Potomac Yard, Room S-4900
2777 S. Crystal Drive
Arlington, VA 22202-4501

RE: Submission of Form 8570-1, Notification of Three (3) Proposed Alternate Brand Names for PN All Season Spray Oil, EPA Reg. No. 2935-546

Dear Ms. Eagle:

Wilbur-Ellis Company, PO Box 1286, Fresno, CA 93715, Company # 2935, is submitting a notification to add three (3) Alternate Brand Names for PN All Season Spray Oil, EPA Reg. No. 2935-546. The proposed Alternate Brand Names are 415 Superior Spray Oil, 440 Superior Spray Oil, and 470 Supreme Spray Oil. All labels are identical to the basic label, PN All Season Spray Oil. The following items are enclosed in support of this notification:

- Application for Pesticide Amendment, EPA Form 8570-1;
- 2 copies of each Alternate Brand Name label

This notification is consistent with provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Ideas to Grow With®

AGRIBUSINESS DIVISION

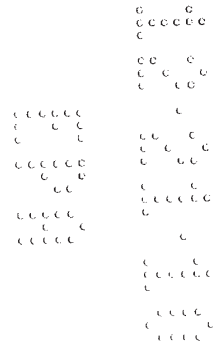
P.O. Box 1286, Fresno, CA 93715 T 559.442.1220 F 559.444.2616 www.wilburellis.com

If you have any questions regarding this submission, please contact me by telephone at (916) 991-9816 or by email at adowns@wilburellis.com. Please direct any respective correspondence to me at the following address: 841 W. Elkhorn Boulevard, Rio Linda, CA 95673. I have included two mailing labels to help facilitate this process. Thank you!

Sincerely,

Anne Downs

Anne Downs
Senior Registration Specialist



WILBUR-ELLIS®

415 Superior Spray Oil

(INSECTICIDE - FUNGICIDE - MITICIDE)

ACTIVE INGREDIENT	By Wt.
Mineral Oil*	99.00%
OTHER INGREDIENTS	1.00%
TOTAL	100.00%

*Contains petroleum distillates
Min. Unsulfonated Residue - 99%
Petroleum Oil Classification - Unclassified

NOTIFICATION
JAN 12 2011

KEEP OUT OF REACH OF CHILDREN

CAUTION

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if absorbed through the skin. Avoid contact with eyes, skin or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

FIRST AID	
If on skin or clothing:	-Take off contaminated clothing. -Rinse skin immediately with plenty of water for 15 to 20 minutes. -Call a poison control center or doctor for treatment advice.
If in eyes:	-Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. -Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. -Call a poison control center or doctor for treatment advice.
If swallowed:	-Call a poison control center or doctor for treatment advice. -Do not induce vomiting unless told to do so by a poison control center or doctor. -Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.
If Inhaled:	-Move person to fresh air. -If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. -Call a poison control center or doctor for further treatment advice.

HOT LINE NUMBER: Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-800-892-0099 for emergency medical treatment information.

NOTE TO PHYSICIANS: This product contains petroleum distillates and may pose an aspiration pneumonia hazard.

EPA Reg. No. 2935-546
EPA Est. No. 2935-CA-1^{F}, 2935-CA-19^{R}, 2935-CA-31^{H}
Superscript used is the first letter of the lot number.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are barrier laminate and viton. If you want more options, follow the instructions for category G on an EPA chemical-resistance category selection chart.

Mixers, loaders, applicators, flaggers and other handlers must wear:

- long-sleeve shirt and long pants,
- shoes plus socks, and
- chemical resistant gloves

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent material that have been drenched or heavily contaminated with the product's concentrate. Do not reuse them.

ENGINEERING CONTROLS

Pilots must use an enclosed cockpit that meets the requirements listed in the WPS for agricultural pesticides [40 CFR 170.240(d)(6)].

ENVIRONMENTAL HAZARDS

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.
Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas.

PHYSICAL OR CHEMICAL HAZARDS

Do not use, pour or store near heat or open flame.

USER SAFETY REQUIREMENTS

Users should:
•Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
•Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
•Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.

PPE required for early entry to treated area that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:
•coveralls
•shoes plus socks and
•chemical-resistant gloves made of any waterproof material

PRODUCT INFORMATION AND RESTRICTIONS

415 Superior Spray Oil is an especially refined Phytonomic Oil Contact Insecticide. It is for use on plants in foliage or the dormant stage.

When using this product in combination with other pesticides as directed on this label, observe appropriate cautions, limitations for the product involved.

For foliage applications, the spray tank must be free of any sulfur residue before using 415 Superior Spray Oil. Do not combine sulfur sprays with 415 Superior Spray Oil on foliage and do not follow a previous application of sulfur or apply sulfur following 415 Superior Spray Oil until sufficient time has elapsed for safety (at least 30 days). If in doubt, spray a portion of one tree previously treated with sulfur, using 1 qt. to 25 gals. water. If sufficient time has not elapsed, burn will show in several days.

Do not use 415 Superior Spray Oil when temperatures are above 90° Fahrenheit. When temperatures drop below 32° Fahrenheit (usually nighttime lows), do not spray tree and vine crops until daytime temperatures have warmed to a point above 35° Fahrenheit and are free from moisture due to melting frost or heavy dews. Do not use on foliage closer than 60 days after or 90 days before using captan or folpet products.

IMPORTANT: Applications of oil before and during freeze conditions can increase damage.

Application to trees weakened by disease, drought, drying winds, or high nitrogen applications may result in oil injury.

Do not apply 415 Superior Spray Oil as a concentrate spray to Queen Ann variety or other oil sensitive varieties as phytotoxicity to buds and new wood will result.

Observe on all crops and uses - oil effectiveness in dormant and delayed dormant applications is determined by thoroughness of coverage. Concentrate applications may reduce coverage and effectiveness. Oil applications made to trees that are weak or suffering from moisture stress or when slow drying of spray occurs may cause bud, twig or leaf injury.

Phytotoxicity studies have not been made on all fruit varieties or in all growing areas for concentrate applications. Concentrate spraying is a more exacting technique of spray application than dilute. Concentrate spray equipment must be properly calibrated and operated to obtain desired results.

Multiple concentrate application may cause wood injury. Double applications can occur on the ends of the row during turning - turn off sprayer to avoid multiple applications. Equipment must be capable of giving thorough coverage for maximum insecticidal effectiveness. If San Jose Scale is a moderate to severe problem, use dilute application. Concentrate applications may delay bud development. The following conditions may cause oil injury: cool, damp, or extremely dry weather; broken emulsions and/or faulty application. Follow state recommendations and cautions.

Do not apply this product through any type of irrigation system.

Do not apply under conditions involving possible drift to food, forage or other plantings that might be damaged or the crops thereof unfit for sale, use or consumption.

SPRAY DRIFT MANAGEMENT

A variety of factors including weather conditions (e.g., wind direction, wind speed, temperature, relative humidity) and method of application (e.g., ground, aerial, airblast) can influence pesticide drift. The applicator and grower must evaluate all factors and make appropriate adjustments when applying this product.

Do not apply at wind speeds greater than 15 mph at the application site.

Apply as a medium or coarser spray (ASABE standard 572), and the minimum volume mean diameter (VMD) for spinning atomizer nozzles.

Ground Application

Apply using a nozzle height of no more than 4 feet above the ground or crop canopy.

Do not apply at wind speeds greater then 15 mph at the application site.

If applying at wind speeds less than 3 mph, the applicator must determine if a) conditions of temperature inversion exist, or b) stable atmospheric conditions exist at or below nozzle height. Do not make applications into areas of temperature inversions or stable atmospheric conditions.

Apply as a medium or coarser spray (ASABE standard 572), and the minimum volume mean diameter (VMD) for spinning atomizer nozzles.

For airblast applications, turn off outward pointing nozzles at row ends and when spraying outer row. To minimize spray loss over the top in orchard applications, spray must be directed into the canopy.

Aerial Application

For aerial applications of agricultural products, do not release spray at a height greater then 10 feet above the ground, top of crops, or above the orchard canopy.

The boom length must not exceed 75% of the wingspan or 90% of the rotor blade diameter.

When applications are made with a cross-wind, the swath will be displaced downwind. The applicator must compensate for this displacement at the downwind edge of the application area by adjusting the path of the aircraft upwind. Leave at least one swath unsprayed at the downwind edge of the treated field.

Do not apply at wind speeds greater then 15 mph at the application site.

If applying at wind speeds less than 3 mph, the applicator must determine if a) conditions of temperature inversion exist, or b) stable atmospheric conditions exist at or below nozzle height. Do not make applications into areas of temperature inversions or stable atmospheric conditions.

Apply as a medium or coarser spray (ASABE standard 572), and the minimum volume mean diameter (VMD) for spinning atomizer nozzles.

ADDITIONAL PRECAUTIONS FOR AERIAL APPLICATIONS

Apply quantity of product shown for each listed crop for control of listed insects in sufficient water to make a minimum of 20 gallons dilute spray per acre by air application. Follow timing shown for each crop as shown on container label. **Use the aerial application method only when soil conditions do not permit regular ground application. Aerial applications of 415 Superior Spray Oil are less effective than ground applications due to rate limitations and lack of thorough coverage.**

MIXING DIRECTIONS

Check this product for proper emulsification by mixing a small quantity of it with water in a small container before filling the entire spray tank. Correct emulsification is indicated when a uniform mixture, with a cloudy white color, results on shaking. If this mixture is not a milky emulsion after shaking, do no use the remaining product. With agitator running, start filling spray tank with water. When combining with wettable powder insecticide or fungicide products, add these first when tank is 1/3 filled. Add 415 Superior Spray Oil when tank is about 1/2 full and while there is sufficient agitation of the spray to ensure complete emulsification.

FOLIAR APPLICATIONS - DILUTE SPRAYS

Crop	Pest	415 Superior Spray per 100 gals. Water	Further Use Instructions
Almonds, Apricots, Cherries, Nectarines, Peaches, Pistachio, Plums, Prunes	Brown Apricot Scale, Mites, Pacific Spider Mites, Peach Twig Borer, Powdery Mildew, Red Spider Mites, San Jose Scale	1-2 gals.	For Summer stages of pests. DO NOT exceed 4 gals. of 415 Superior Spray Oil per acre. **On young trees and susceptible varieties, use lower rates. Special precautions should be used with Summer oil applications, because they have greater potential for plant and fruit damage than pre-bloom applications.** Applications of oil before and during freeze conditions can increase damage.

FOLIAR APPLICATIONS - DILUTE SPRAYS (continued)

Crop	Pest	415 Superior Spray per 100 gals. Water	Further Use Instructions
Apples	Codling Moth, Orchard Mites, Powdery Mildew, Rust Mites, San Jose Scale	1/2 to 2 gals.	For Summer use, DO NOT exceed 4 gals. of 415 Superior Spray Oil per acre. **On young trees and susceptible varieties, use lower rates. Special precautions should be used with Summer oil applications, because they have greater potential for plant and fruit damage than pre-bloom applications.**
Avocados	Mites (Avocado brown mite and Pracea mite), Thrips	1/2 to 1 gal.	Apply within the specified range of rates to achieve optimum coverage in 400 to 3000 gals. per acre is suggested. When applying more than 2% v/v concentration, treat and observe a small test area. Allow enough time for symptoms to appear before continuing to spray.
Bushberries and Caneberries, including blackberry, blueberry, boysenberry, red and black raspberry, evergreen blackberry, kotata blackberry	Mites, Powdery Mildew, Rust, Scale	1/2 to 1 1/2 gals.	Using ground equipment, apply spray for optimum coverage and thorough leaf wetness. For use on fungal diseases, increased spray pressures (psi) sufficient to penetrate canopy are recommended.
Citrus: Grapefruit, Lemons, Limes, Tangerines, Tangelos and other citrus hybrids	Black Scale, Purple Scale, Red Scale, Red Spider Mites, Yellow Scale	1 to 1 1/4 gals.	Apply 415 Superior Spray Oil during winter and spring months when Red Scale are more easily controlled and trees generally are less reactive to oil sprays. When using this product on citrus in Florida or Texas, do not exceed a maximum of 159 pounds of active ingredient, or a maximum of 1500 gallons of spray mix per acre. When using this product on citrus in California, do not exceed a maximum of 212 pounds of active ingredient, or a maximum of 2000 gallons of spray mix per acre. Do not use within 8 weeks of harvest on lemons.

FOLIAR APPLICATIONS - DILUTE SPRAYS (continued)

Crop	Pest	415 Superior Spray per 100 gals. Water	Further Use Instructions
Coffee	Scale	3 to 6 gals.	Apply when insects first appear and treat as necessary art 30-60 day intervals. Do not exceed 18 gals. of 415 Superior Spray Oil per acre in a growing season. Do not apply within 30 days of harvest when berries are to be handpicked. Oil residues make hand picking difficult.
Corn (sweet and field)	Aphids, Armyworm, Corn Earworm, Leafminers, Mites, Rootworm, Whitefly	1 to 2 gals.	
Figs	Mealybug, Mites, Scale	1 to 2 gals.	
Grapes	Mealybug	See NOTE	For (Post Harvest), fall spray use only. NOTE: Use 4 to 6 gals. in 200 to 300 gals. of water per acre.
	For summer use on Mites and Powdery Mildew	1/4 to 1 gal.	DO NOT exceed 1 gallon of oil per acre during Summer applications. Do not spray near the time of a sulfur application.
Hops (Not registered for use in California)	Mites	1 to 5 gals.	Apply 415 Superior Spray Oil Oil with ground equipment only. Thorough coverage is essential. Use 50 to 200 gals. of dilute spray per acre depending upon plant size. Make applications as needed.
	Powdery Mildew	1 to 5 gals.	Apply 415 Superior Spray Oil Oil with ground equipment only. Thorough coverage is essential. Use 50 to 200 gals. of dilute spray per acre depending upon plant size. Make first application at early leaf stage. Repeat every 7 to 14 days depending upon new growth. Use shorter interval and/or the higher rate when the conditions for infection are move severe.
	Do not use Propargite (Omite) with or following an oil spray. Do not spray wet foliage or if temperature is above 90° Fahrenheit or if plants are under heat or moisture stress.		

FOLIAR APPLICATIONS - DILUTE SPRAYS (continued)

Crop	Pest	415 Superior Spray per 100 gals. Water	Further Use Instructions
Navel Oranges	Black Scale, Purple Scale, Red Scale, Red Spider Mites, Yellow Scale	3/4 gal.	Do not use on Navel oranges after September 1 Do not apply more than 159 gals. of active ingredient or more than 1,500 gals. of spray mix per acre in Florida and Texas. Do Not apply more than 212 gals. of active ingredient or more than 2,000 gals. of spray mix per acre in California.
Olives	Black Scale, Oleander Scale, Olive Scale (Parlatoria Scale), Spider Mites	1 1/2 gals.	Apply 415 Superior Spray Oil in the prebloom or in postbloom up to buckshot growth stage.
Olives (California Only)	Black Scale	1 to 1 1/2 gals.	Apply 400 to 800 gals. dilute spray per acre. Make applications between July 1 and August 31. Higher concentrations of 415 Superior Spray Oil than noted above may cause phytotoxicity.
Ornamentals and Shade Trees: Apple, Birch, Conifers (see NOTE), Dogwood, Flowering Peach, Flowering Cherry, Hawthorne, Holly, Magnolia, Maple, Oak, Privet, Pyracantha, Sycamores	Black Scale, Brown Apricot Scale, Oyster Shell Scale, San Jose Scale, Soft Brown Scale, Spider Mites and Eggs	1 gal.	**NOTE:** Conifer applications to blue spruce may cause discoloration. Do not use on conifers or ferns not tolerant to oil sprays. Allow a sufficient rain event before or after a herbicidal or propargite application and an application of oil.
Pears	Codling Moth, Orchard Mites, Red Spider Mites, San Jose Scale and as a synergist for Pear Psylla insecticides	1/2 to 2 gals.	For Summer use, DO NOT exceed 4 gals. 415 Superior Spray Oil per acre. **On young trees and susceptible varieties, use lower rates. Special precautions should be used with Summer oil applications, because they have greater potential for plant and fruit damage then prebloom applications.**
	Italian Pear Scale, San Jose Scale	1 to 1 1/2 gals.	Apply 415 Superior Spray Oil to Summer forms of San Jose and Italian Pear Scale.

FOLIAR APPLICATIONS - DILUTE SPRAYS (continued)

Crop	Pest	415 Superior Spray per 100 gals. Water	Further Use Instructions
Strawberries	Butteries, Leafminers, Mites, Powdery Mildew	1/2 to 3/4 gals.	**Spray at no less than 400 psi using ceramic spray nozzles (ALBUS(R) ATR), lilac color or their equivalent.**
Sugar Beets	Aphids, Armyworm, Corn Earworm, Leafminers, Mites, Rootworm, Whitefly	2 gals.	
Valencia Oranges	Black Scale, Purple Scale, Red Scale, Red Spider Mites, Yellow Scale	1 gal.	Do not apply to Valencia oranges after Sept. 1. Do not apply more than 159 gals. of active ingredients or more than 1,500 gals. of spray mix per acre in Florida and Texas. Do not apply more than 212 gals. of active ingredient or more than 2,000 gals. of spray mix per acre in California.
Walnuts	European Fruit Scale, Frosted Scale (summer stages), Red Spider Mites, San Jose Scale, Soft Shelled Scales	1/2 to 1 gal.	Apply 415 Superior Spray Oil during the late Spring to mid-Summer only. Do not apply after husk split.

FOLIAR APPLICATIONS - CONCENTRATE SPRAYS

Crop	Pest	415 Superior Spray per Acre	Further Use Instructions
Almonds, Apricots, Cherries, Nectarines, Peaches, Pistachio, Plums, Prunes	Brown Mite, European Red Mite, Pacific Spider Mite, Peach Twig Borer, Powdery Mildew, Two-Spotted Spider Mite	1 to 3 gals.	For Summer use with concentrate sprayers. Apply 415 Superior Spray Oil in 25 to 200 gals. water per acre. **Do not apply to trees lacking adequate moisture. On young trees and susceptible varieties, use lower rates. Special precautions should be used with Summer oil applications, because they have greater potential for plant and fruit damage then prebloom application.**

FOLIAR APPLICATIONS - CONCENTRATE SPRAYS (contiuned)

Crop	Pest	415 Superior Spray per Acre	Further Use Instructions
Apples	Codling Moth, Orchard Mites, Powdery Mildew, San Jose Scale	1 to 3 gals.	For Summer use with concentrate sprayers. Apply 415 Superior Spray Oil in 80 to 200 gals. water per acre. **On young trees and susceptible varieties, use lower rates. Special precautions should be used with Summer oil applications, because they have greater potential for plant and fruit damage than prebloom applications.**
Avocados	Mites (Avocado brown mite and Pracea mite), Thrips	4 to 15 gals.	Use in minimum of 50 to 100 gallons of water. When the application of oil is more than 2% v/v concentration, treat and observe a small test area. Allow enough time for symptoms to appear before continuing to spray. For Aerial applications use 1 to 6 gallons of oil per acre in 20 gallons of water per acre.
Citrus: Grapefruit, Lemons, Limes, Oranges (Navel and Valencia),Tangerines and Tangelos and other citrus hybrids	Citrus Red Mites	5 to 15 gals.	Apply 415 Superior Spray Oil as a concentrate spray application (mist sprayer) in 50 to 100 gals. water per acre. Apply to Valencia oranges only during the period from mid-July through August. Do not apply to lemons within 60 days of harvest. Concentrate spray applications require the spray droplets be discharged into an air stream pattern of high velocity (above 100 mph) and with sufficient volume to carry the spray through the tree. Ground speed should not exceed 1 1/2 mph. Observe all label notes, regarding the use of spray oils on citrus. Use only equipment capable of applying concentrate sprays.

15/50

FOLIAR APPLICATIONS - CONCENTRATE SPRAYS (contiuned)

Crop	Pest	415 Superior Spray per Acre	Further Use Instructions
Grapes	Mealybug	1/4 to 1 gal.	
Grapes (For Summer use)	Mites and Powdery Mildew	1/4 to 1 gal.	Do not exceed 1 gal. of 415 Superior Spray Oil per acre during Summer applications. Do not spray near the time of a sulfur application.
Olives	Mites, Scale	4 to 8 gals.	Use in minimum of 50 to 100 gallons of water. When the application of oil is more than 2% v/v concentration, treat and observe a small test area. Allow enough time for symptoms to appear before continuing to spray. For Aerial applications use 1 to 6 gallons of oil per acre in 20 gallons of water per acre.
Pears	Codling Moth, Orchard Mites, San Jose Scale and as a synergist for Pear Psylla insecticide	1 to 3 gals.	For Summer use with concentrate sprayers. Apply 415 Superior Spray Oil in 80 to 200 gals. water per acre. **On young trees and susceptible varieties, use lower rates. Special precautions should be used with Summer oil applications, because they have greater potential for plant and fruit damage than prebloom applications.**

DORMANT OR DELAYED DORMANT - DILUTE SPRAYS

Crop	Pest	415 Superior Spray per 100 gals. Water	Further Use Instructions
Almonds, Apricots, Cherries, Nectarines, Peaches, Pistachio, Plums, Prunes (See NOTE)	Aphids (eggs of), Black Scale, Brown Apricot Scale, European Fruit Lecanium, Frosted Scale, Italian Pear Scale, Oleander Scale, Olive Scale (Parlatoria Scale), Parthenolecanium Soft Scale, Powdery Mildew, Putnam Scale, Red spider Mites, San Jose Scale, Scale Insects (certain other), Soft Brown Scale	1 1/2 to 4 gals.	For dormant or delayed dormant use only. **NOTE:** For plums and prunes, spray only during the delayed dormant period. Oil sensitive varieties (such as, but not limited to Moyer or Queen Ann) may develp dead limbs or scaffolds, which will reduce yield. Do NOT exceed 8 gals. of 415 Superior Spray Oil per acre.

DORMANT OR DELAYED DORMANT - DILUTE SPRAYS (continued)

Crop	Pest	415 Superior Spray per 100 gals. Water	Further Use Instructions
Apples	Aphids, Mealybug, Red and Brown Mite eggs, Rust Mites, San Jose Scale	1 to 4 gals.	For delayed dormant use only. Do Not exceed 8 gals. of 415 Superior Spray Oil per acre.
Figs	Mealybug, Mites, Scale	1 to 3 gals.	**For dormant and delayed dormant use only.**
Grapes	Mealybug	See **NOTE**	For dormant use only up to bud break. NOTE: Use 4 to 6 gals. in 200 to 300 gals. of water per acre.
Kiwis	Greedy Scale, Latania Scale, Oleander Scale, San Jose Scale	4 to 6 gals.	Use 4 to 6 gals. of oil in a minimum of 100 gals. of water per acre. Use higher rate when scale populations are high.
Pears	Aphids (eggs of), Blister Mite, Italian Pear Scale, Pear Psylla, Red Spider and Brown Mite Eggs, San Jose Scale and a synergist for Pear Psylla insecticides and delay of pear psylla egg deposition	1 to 4 gals.	For dormant or delayed dormant use only. DO NOT exceed 8 gals. of 415 Superior Spray Oil per acre. If two applications of oils are used at dormant and delayed dormant stages, then reduce the oil rates to lower labeled amounts.
Pecans	Aphid (eggs), Mite (eggs), Scale	2 to 3 gals.	Use minimum of 200 gals. of water per acre. Use the lower rate when trees are in a weakened condition. Apply from late February until buds first break.

DORMANT OR DELAYED DORMANT - CONCENTRATE SPRAYS

Crop	Pest	415 Superior Spray per Acre	Further Use Instructions
Almonds, Apricots, Cherries, Nectarines, Peaches (see NOTE), Pistachio	Brown Apricot Scale, Mite Eggs, Olive Scale (Parlatoria Scale), Parthenolecanium Soft Scale, Peach Twig Borer, Powdery Mildew, San Jose Scale, Walnut Scale	3 to 6 gals	For dormant or delayed dormant use only. Apply 415 Superior Spray Oil in 25 to 200 gals. of water per acre. **Do not apply to trees lacking adequate moisture. NOTE:** Do not apply to oil sensitive varieties, because phytotoxicity to buds and new wood may result.
Apples	Aphid (eggs of), European Red and Brown Mite, Italian Pear Scale, (eggs of), Mealybug, San Jose Scale	2 to 6 gals.	For dormant or delayed dormant use only. Apply 415 Superior Spray Oil in 25 to 200 gals. of water per acre. **NOTE:** Do not apply to oil sensitive varieties, because phytotoxicity to buds and new wood may result.

DORMANT OR DELAYED DORMANT - CONCENTRATE SPRAYS (continued)

Crop	Pest	415 Superior Spray per Acre	Further Use Instructions
Bushberries and Caneberries such as, but not limited to, blackberry, blueberry, boysenberry, red and black raspberry, evergreen blackberry, kotat blackberry	Mites, Powdery Mildew, Rust	1 to 2 gals.	Use a minimum of 50 gallons water per acre. Do not exceed 2% solution.
Grapes	Mealybug	1 to 3 gals.	For dormant use only up to bud break. Use a minimum of 25 gallons of water per acre.
Pears (see NOTE)	European Red and Brown Mite (eggs of), Mealybug, Pear Psylla, San Jose Scale and a synergist for Pear Psylla insecticides and delay of Pear Psylla egg deposition	4 to 6 gals.	For dormant or delayed dormant use only. Apply 415 Superior Spray Oil in 40 to 200 gals. of water per acre. **NOTE:** Do not apply to oil sensitive varieties, because phytotoxicity to buds and new wood may result.
Pears (Washington Only)	Pear Psylla	3 to 4 gals. by air	For dormant use only. Apply by air in sufficient water to make a minimum of 10 gals. of dilute spray per acre.
Pecans	Aphid (eggs), Mite (eggs), Scale	6 to 8 gals.	Use a minimum of 20 to 125 gals. water per acre. Use the lower rate when trees are in a weakened condition. Apply from late February until buds first break.
Plums, Prunes (sse NOTE)	Aphid Eggs, Black Scale, Brown Apricot Scale, Brown mite Eggs, European Red Mite (eggs of), Mealy Plum Olive Scale (Parlatoria Scale), Plum Aphid Eggs, San Jose Scale	3 to 5 gals.	Apply 415 Superior Spray Oil in 40 to 125 gals. of water per acre. **NOTE:** For Plums and Prunes, spray only during the delayed dormant period. Oil sensitive varieties (such as, but not limited to Moyer or Queen Ann) may develop dead limbs or scaffolds, which will reduce yield.

DORMANT - DILUTE SPRAYS

Crop	Pest	415 Superior Spray per 100 gals. Water	Further Use Instructions
Ornamentals and Shade Trees including, Apple, Birch, Conifers (see NOTE), Dogwood, Flowering Cherry, Flowering Peach, Hawthorne, Holly, Magnolia, Maple, Oak, Privet, Pyracantha, Sycamores	Black Scale, Brown Apricot Scale, Oyster Shell Scale, San Jose Scale, Soft Brown Scale, Spider Mites and Eggs	1 to 2 gals.	**Use the low rate for non-deciduous varieties. NOTE:** Conifer application to Blue Spruce may cause discoloration. Do not use on conifers or ferns not tolerant to oil sprays. Allow sufficient rain event before/after a herbicidal or propargite application and an application of oil. Do not spray on freshly sheared or pruned needles, foliage or plant materials. For aerial application use 1 to 2 gals. of 415 Superior Spray Oil per acre in a minimum of 20 gals. of water per acre.

CHRISTMAS TREES

Crop	Pest	415 Superior Spray per Acre	Further Use Instructions
Christmas Trees* (For Winter use only)	Scale [(soft and hard), (immature stage)], Spider Mites	1/4 to 3/4 gals.	Use lower concentrations for more sensitive plants. Apply within the specified range of rates of 415 Superior Spray Oil in 40 to 100 gals. of spray per acre. Do not spray when freeze is anticipated.
*This product removes the glaucous (blue) bloom from such evergreens as Colorado Blue Spruce and Koster Spruce. Before using this product on certan plants, a test spray to determine effects should be performed on sensitive varieties, such as Chamaecypris, Cryptomeria, Douglas Fir, Japanese Holly, Juniper, Red Cedar, Spruce and some true Fir species.			

SEED CROP USES

Crop	Pest	415 Superior Spray per Acre	Further Use Instructions
Alfalfa (Seed Alfalfa Only)	Spider Mites	1/4 gals.	For use on seed alfalfa only. Apply in 20 to 30 gals. of water by ground application or 10 to 15 gals. of water by air with label-specified rates of Kelthane.
Grasses grown for seed	Powdery Mildew	1/4 to 3/4 gals.	Apply 415 Superior Spray Oil in 20 to 30 gals. of water by ground application or 10 to 15 gals. of water by air.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

PESTICIDE STORAGE: Keep pesticide in original container. Do not put concentrate or dilute into food or drink containers. Protect from water contamination during storage and transfer. Contamination with water may make this product unfit for its intended use. Always check emulsification (see Mixing Directions) before use. For help with any spill, leak, fire or exposure involving this material, call day or night 1-800-892-0099.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

REFILLABLE CONTAINER (110 gallons or greater): Refill this container with pesticides only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning the container before refilling is the responsibility of the refiller.

Container Disposal: To clean the container before final disposal, empty the remaining contents from this container into the production mix tank. Triple rinse the interior of the container with water by using a suitable hose and nozzle attachment or pressure rinser. Collect and store the rinsate for proper disposal. Then, offer the container for recycling or reconditioning, or puncture and dispose of in a sanitary landfill.

NONREFILLABLE CONTAINER (30 gallons): Do not reuse or refill this container.

Container Disposal: Triple rinse container (or equivalent) promptly after emptying.

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

Once cleaned, some agricultural plastic pesticide containers can be taken to a container collection site or picked up for recycling. To find the nearest site, contact your chemical dealer or manufacturer, or contact Ag Container Recycling Council (ACRC) at 877-952-2272 or rperkins@acrecycle.org.

NONREFILLABLE CONTAINER (5 gallons): Do not reuse or refill this container.

Container Disposal: Triple rinse container (or equivalent) promptly after emptying.

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Once cleaned, some agricultural plastic pesticide containers can be taken to a container collection site or picked up for recycling. To find the nearest site, contact your chemical dealer or manufacturer, or contact Ag Container Recycling Council (ACRC) at 877-952-2272 or rperkins@acrecycle.org.

Conditions of Sale and Limitation of Warranty and Liability:

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using the product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

ALL STATEMENTS MADE HEREIN ARE SUBJECT TO APPLICABLE LAW, AND TO THE EXTENT THERE IS ANY INCONSISTENCY OR CONTENTION, APPLICABLE LAW SHALL GOVERN.

The Directions for Use of the product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of many different factors including, without limitation, manner of use or application, weather, combination with other products, or crop conditions. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Manufacturer and Seller harmless from any claims relating to such factors.

Seller warrants that this product conforms to the chemical description on the label. EXCEPT FOR THIS WARRANTY, THE PRODUCT IS FURNISHED "AS-IS," AND NEITHER SELLER NOR MANUFACTURER MAKES ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, WITH RESPECT TO THE SELECTION, PURCHASE OR USE OF THIS PRODUCT; SELLER AND MANUFACTURER SPECIFICALLY DISCLAIM ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE BEYOND WHAT IS STATED ON THE LABEL. Buyer and User accept all risks arising from any use of this product, including without limitation, uses contrary to label instructions, or under conditions not reasonably foreseeable to (or beyond the control of) Seller or Manufacturer.

Neither Manufacturer nor Seller shall be liable for any incidental, consequential or special damages resulting from the use or handling of this product. THE EXCLUSIVE REMEDY OF THE BUYER OR USER, AND THE EXCLUSIVE LIABILITY OF MANUFACTURER AND SELLER, FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THIS PRODUCT, OR, AT THE ELECTION OF MANUFACTURER OR SELLER, THE REPLACEMENT OF THE PRODUCT.

These Conditions of Sale and Limitation of Warranty and Liability shall be interpreted, unless otherwise required by the law of the state of purchase, in accordance with the laws of the State of California, excluding its conflicts of laws rules, and may not be amended by any oral or written agreement.

TANK MIXES

NOTICE: Tank mixing or use of this product with any other product which is not specifically and expressly authorized by the label shall be the exclusive risk of user, applicator and/or application advisor.

Read and follow the entire label of each product to be used in the tank mix with this product.

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F-121709-1

Manufactured in U.S.A. by:

WILBUR-ELLIS COMPANY
PO BOX 16458
FRESNO, CA 93755
(559) 442-1220

Batch Code____

NET CONTENTS:
☐Bulk gals.
☐30 gals.
☐5 gals.

WILBUR-ELLIS®

440 Superior Spray Oil

(INSECTICIDE - FUNGICIDE - MITICIDE)

NOTIFICATION

JAN 12 2011

ACTIVE INGREDIENT	By Wt.
Mineral Oil*	99.00%
OTHER INGREDIENTS	1.00%
TOTAL	100.00%

*Contains petroleum distillates
Min. Unsulfonated Residue - 99%
Petroleum Oil Classification - Unclassified

KEEP OUT OF REACH OF CHILDREN

CAUTION

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if absorbed through the skin. Avoid contact with eyes, skin or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

FIRST AID	
If on skin or clothing:	-Take off contaminated clothing. -Rinse skin immediately with plenty of water for 15 to 20 minutes. -Call a poison control center or doctor for treatment advice.
If in eyes:	-Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. -Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. -Call a poison control center or doctor for treatment advice.
If swallowed:	-Call a poison control center or doctor for treatment advice. -Do not induce vomiting unless told to do so by a poison control center or doctor. -Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.
If Inhaled:	-Move person to fresh air. -If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. -Call a poison control center or doctor for further treatment advice.

HOT LINE NUMBER: Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-800-892-0099 for emergency medical treatment information.

NOTE TO PHYSICIANS: This product contains petroleum distillates and may pose an aspiration pneumonia hazard.

EPA Reg. No. 2935-546
EPA Est. No. 2935-CA-1^{F}, 2935-CA-19^{R}, 2935-CA-31^{H}
Superscript used is the first letter of the lot number.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are barrier laminate and viton. If you want more options, follow the instructions for category G on an EPA chemical-resistance category selection chart.

Mixers, loaders, applicators, flaggers and other handlers must wear:

- long-sleeve shirt and long pants,
- shoes plus socks, and
- chemical resistant gloves

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent material that have been drenched or heavily contaminated with the product's concentrate. Do not reuse them.

ENGINEERING CONTROLS

Pilots must use an enclosed cockpit that meets the requirements listed in the WPS for agricultural pesticides [40 CFR 170.240(d)(6)].

ENVIRONMENTAL HAZARDS

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.
Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas.

PHYSICAL OR CHEMICAL HAZARDS

Do not use, pour or store near heat or open flame.

USER SAFETY REQUIREMENTS

Users should:
•Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
•Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
•Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.

PPE required for early entry to treated area that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:
•coveralls
•shoes plus socks and
•chemical-resistant gloves made of any waterproof material

PRODUCT INFORMATION AND RESTRICTIONS

440 Superior Spray Oil is an especially refined Phytonomic Oil Contact Insecticide. It is for use on plants in foliage or the dormant stage.

When using this product in combination with other pesticides as directed on this label, observe appropriate cautions, limitations for the product involved.

For foliage applications, the spray tank must be free of any sulfur residue before using 440 Superior Spray Oil. Do not combine sulfur sprays with 440 Superior Spray Oil on foliage and do not follow a previous application of sulfur or apply sulfur following 440 Superior Spray Oil until sufficient time has elapsed for safety (at least 30 days). If in doubt, spray a portion of one tree previously treated with sulfur, using 1 qt. to 25 gals. water. If sufficient time has not elapsed, burn will show in several days.

Do not use 440 Superior Spray Oil when temperatures are above 90° Fahrenheit. When temperatures drop below 32° Fahrenheit (usually nighttime lows), do not spray tree and vine crops until daytime temperatures have warmed to a point above 35° Fahrenheit and are free from moisture due to melting frost or heavy dews. Do not use on foliage closer than 60 days after or 90 days before using captan or folpet products.

IMPORTANT: Applications of oil before and during freeze conditions can increase damage.

Application to trees weakened by disease, drought, drying winds, or high nitrogen applications may result in oil injury.

Do not apply 440 Superior Spray Oil as a concentrate spray to Queen Ann variety or other oil sensitive varieties as phytotoxicity to buds and new wood will result.

Observe on all crops and uses - oil effectiveness in dormant and delayed dormant applications is determined by thoroughness of coverage. Concentrate applications may reduce coverage and effectiveness. Oil applications made to trees that are weak or suffering from moisture stress or when slow drying of spray occurs may cause bud, twig or leaf injury.

Phytotoxicity studies have not been made on all fruit varieties or in all growing areas for concentrate applications. Concentrate spraying is a more exacting technique of spray application than dilute. Concentrate spray equipment must be properly calibrated and operated to obtain desired results.

Multiple concentrate application may cause wood injury. Double applications can occur on the ends of the row during turning - turn off sprayer to avoid multiple applications. Equipment must be capable of giving thorough coverage for maximum insecticidal effectiveness. If San Jose Scale is a moderate to severe problem, use dilute application. Concentrate applications may delay bud development. The following conditions may cause oil injury: cool, damp, or extremely dry weather; broken emulsions and/or faulty application. Follow state recommendations and cautions.

Do not apply this product through any type of irrigation system.

Do not apply under conditions involving possible drift to food, forage or other plantings that might be damaged or the crops thereof unfit for sale, use or consumption.

SPRAY DRIFT MANAGEMENT

A variety of factors including weather conditions (e.g., wind direction, wind speed, temperature, relative humidity) and method of application (e.g., ground, aerial, airblast) can influence pesticide drift. The applicator and grower must evaluate all factors and make appropriate adjustments when applying this product.

Do not apply at wind speeds greater than 15 mph at the application site.

Apply as a medium or coarser spray (ASABE standard 572), and the minimum volume mean diameter (VMD) for spinning atomizer nozzles.

Ground Application

Apply using a nozzle height of no more than 4 feet above the ground or crop canopy.

Do not apply at wind speeds greater then 15 mph at the application site.

If applying at wind speeds less than 3 mph, the applicator must determine if a) conditions of temperature inversion exist, or b) stable atmospheric conditions exist at or below nozzle height. Do not make applications into areas of temperature inversions or stable atmospheric conditions.

Apply as a medium or coarser spray (ASABE standard 572), and the minimum volume mean diameter (VMD) for spinning atomizer nozzles.

For airblast applications, turn off outward pointing nozzles at row ends and when spraying outer row. To minimize spray loss over the top in orchard applications, spray must be directed into the canopy.

Aerial Application

For aerial applications of agricultural products, do not release spray at a height greater then 10 feet above the ground, top of crops, or above the orchard canopy.

The boom length must not exceed 75% of the wingspan or 90% of the rotor blade diameter.

When applications are made with a cross-wind, the swath will be displaced downwind. The applicator must compensate for this displacement at the downwind edge of the application area by adjusting the path of the aircraft upwind. Leave at least one swath unsprayed at the downwind edge of the treated field.

Do not apply at wind speeds greater then 15 mph at the application site.

If applying at wind speeds less than 3 mph, the applicator must determine if a) conditions of temperature inversion exist, or b) stable atmospheric conditions exist at or below nozzle height. Do not make applications into areas of temperature inversions or stable atmospheric conditions.

Apply as a medium or coarser spray (ASABE standard 572), and the minimum volume mean diameter (VMD) for spinning atomizer nozzles.

ADDITIONAL PRECAUTIONS FOR AERIAL APPLICATIONS

Apply quantity of product shown for each listed crop for control of listed insects in sufficient water to make a minimum of 20 gallons dilute spray per acre by air application. Follow timing shown for each crop as shown on container label. **Use the aerial application method only when soil conditions do not permit regular ground application. Aerial applications of 440 Superior Spray Oil are less effective than ground applications due to rate limitations and lack of thorough coverage.**

MIXING DIRECTIONS

Check this product for proper emulsification by mixing a small quantity of it with water in a small container before filling the entire spray tank. Correct emulsification is indicated when a uniform mixture, with a cloudy white color, results on shaking. If this mixture is not a milky emulsion after shaking, do no use the remaining product. With agitator running, start filling spray tank with water. When combining with wettable powder insecticide or fungicide products, add these first when tank is 1/3 filled. Add 440 Superior Spray Oil when tank is about 1/2 full and while there is sufficient agitation of the spray to ensure complete emulsification.

FOLIAR APPLICATIONS - DILUTE SPRAYS

Crop	Pest	440 Superior Spray per 100 gals. Water	Further Use Instructions
Almonds, Apricots, Cherries, Nectarines, Peaches, Pistachio, Plums, Prunes	Brown Apricot Scale, Mites, Pacific Spider Mites, Peach Twig Borer, Powdery Mildew, Red Spider Mites, San Jose Scale	1-2 gals.	For Summer stages of pests. DO NOT exceed 4 gals. of 440 Superior Spray Oil per acre. **On young trees and susceptible varieties, use lower rates. Special precautions should be used with Summer oil applications, because they have greater potential for plant and fruit damage than pre-bloom applications.** Applications of oil before and during freeze conditions can increase damage.

FOLIAR APPLICATIONS - DILUTE SPRAYS (continued)

Crop	Pest	440 Superior Spray per 100 gals. Water	Further Use Instructions
Apples	Codling Moth, Orchard Mites, Powdery Mildew, Rust Mites, San Jose Scale	1/2 to 2 gals.	For Summer use, DO NOT exceed 4 gals. of 440 Superior Spray Oil per acre. **On young trees and susceptible varieties, use lower rates. Special precautions should be used with Summer oil applications, because they have greater potential for plant and fruit damage than pre-bloom applications.**
Avocados	Mites (Avocado brown mite and Pracea mite), Thrips	1/2 to 1 gal.	Apply within the specified range of rates to achieve optimum coverage in 400 to 3000 gals. per acre is suggested. When applying more than 2% v/v concentration, treat and observe a small test area. Allow enough time for symptoms to appear before continuing to spray.
Bushberries and Caneberries, including blackberry, blueberry, boysenberry, red and black raspberry, evergreen blackberry, kotata blackberry	Mites, Powdery Mildew, Rust, Scale	1/2 to 1 1/2 gals.	Using ground equipment, apply spray for optimum coverage and thorough leaf wetness. For use on fungal diseases, increased spray pressures (psi) sufficient to penetrate canopy are recommended.
Citrus: Grapefruit, Lemons, Limes, Tangerines, Tangelos and other citrus hybrids	Black Scale, Purple Scale, Red Scale, Red Spider Mites, Yellow Scale	1 to 1 1/4 gals.	Apply 440 Superior Spray Oil during winter and spring months when Red Scale are more easily controlled and trees generally are less reactive to oil sprays. When using this product on citrus in Florida or Texas, do not exceed a maximum of 159 pounds of active ingredient, or a maximum of 1500 gallons of spray mix per acre. When using this product on citrus in California, do not exceed a maximum of 212 pounds of active ingredient, or a maximum of 2000 gallons of spray mix per acre. Do not use within 8 weeks of harvest on lemons.

FOLIAR APPLICATIONS - DILUTE SPRAYS (continued)

Crop	Pest	440 Superior Spray per 100 gals. Water	Further Use Instructions
Coffee	Scale	3 to 6 gals.	Apply when insects first appear and treat as necessary art 30-60 day intervals. Do not exceed 18 gals. of 440 Superior Spray Oil per acre in a growing season. Do not apply within 30 days of harvest when berries are to be handpicked. Oil residues make hand picking difficult.
Corn (sweet and field)	Aphids, Armyworm, Corn Earworm, Leafminers, Mites, Rootworm, Whitefly	1 to 2 gals.	
Figs	Mealybug, Mites, Scale	1 to 2 gals.	
Grapes	Mealybug	See NOTE	For (Post Harvest), fall spray use only. NOTE: Use 4 to 6 gals. in 200 to 300 gals. of water per acre.
	For summer use on Mites and Powdery Mildew	1/4 to 1 gal.	DO NOT exceed 1 gallon of oil per acre during Summer applications. Do not spray near the time of a sulfur application.
Hops (Not registered for use in California)	Mites	1 to 5 gals.	Apply 440 Superior Spray Oil Oil with ground equipment only. Thorough coverage is essential. Use 50 to 200 gals. of dilute spray per acre depending upon plant size. Make applications as needed.
	Powdery Mildew	1 to 5 gals.	Apply 440 Superior Spray Oil Oil with ground equipment only. Thorough coverage is essential. Use 50 to 200 gals. of dilute spray per acre depending upon plant size. Make first application at early leaf stage. Repeat every 7 to 14 days depending upon new growth. Use shorter interval and/or the higher rate when the conditions for infection are move severe.
	Do not use Propargite (Omite) with or following an oil spray. Do not spray wet foliage or if temperature is above 90° Fahrenheit or if plants are under heat or moisture stress.		

FOLIAR APPLICATIONS - DILUTE SPRAYS (continued)

Crop	Pest	440 Superior Spray per 100 gals. Water	Further Use Instructions
Navel Oranges	Black Scale, Purple Scale, Red Scale, Red Spider Mites, Yellow Scale	3/4 gal.	Do not use on Navel oranges after September 1 Do not apply more than 159 gals. of active ingredient or more than 1,500 gals. of spray mix per acre in Florida and Texas. Do Not apply more than 212 gals. of active ingredient or more than 2,000 gals. of spray mix per acre in California.
Olives	Black Scale, Oleander Scale, Olive Scale (Parlatoria Scale), Spider Mites	1 1/2 gals.	Apply 440 Superior Spray Oil in the prebloom or in postbloom up to buckshot growth stage.
Olives (California Only)	Black Scale	1 to 1 1/2 gals.	Apply 400 to 800 gals. dilute spray per acre. Make applications between July 1 and August 31. Higher concentrations of 440 Superior Spray Oil than noted above may cause phytotoxicity.
Ornamentals and Shade Trees: Apple, Birch, Conifers (see NOTE), Dogwood, Flowering Peach, Flowering Cherry, Hawthorne, Holly, Magnolia, Maple, Oak, Privet, Pyracantha, Sycamores	Black Scale, Brown Apricot Scale, Oyster Shell Scale, San Jose Scale, Soft Brown Scale, Spider Mites and Eggs	1 gal.	**NOTE:** Conifer applications to blue spruce may cause discoloration. Do not use on conifers or ferns not tolerant to oil sprays. Allow a sufficient rain event before or after a herbicidal or propargite application and an application of oil.
Pears	Codling Moth, Orchard Mites, Red Spider Mites, San Jose Scale and as a synergist for Pear Psylla insecticides	1/2 to 2 gals.	For Summer use, DO NOT exceed 4 gals. 440 Superior Spray Oil per acre. **On young trees and susceptible varieties, use lower rates. Special precautions should be used with Summer oil applications, because they have greater potential for plant and fruit damage then prebloom applications.**
	Italian Pear Scale, San Jose Scale	1 to 1 1/2 gals.	Apply 440 Superior Spray Oil to Summer forms of San Jose and Italian Pear Scale.

28/50

FOLIAR APPLICATIONS - DILUTE SPRAYS (continued)

Crop	Pest	440 Superior Spray per 100 gals. Water	Further Use Instructions
Strawberries	Butteries, Leafminers, Mites, Powdery Mildew	1/2 to 3/4 gals.	**Spray at no less than 400 psi using ceramic spray nozzles (ALBUS(R) ATR), lilac color or their equivalent.**
Sugar Beets	Aphids, Armyworm, Corn Earworm, Leafminers, Mites, Rootworm, Whitefly	2 gals.	
Valencia Oranges	Black Scale, Purple Scale, Red Scale, Red Spider Mites, Yellow Scale	1 gal.	Do not apply to Valencia oranges after Sept. 1. Do not apply more than 159 gals. of active ingredients or more than 1,500 gals. of spray mix per acre in Florida and Texas. Do not apply more than 212 gals. of active ingredient or more than 2,000 gals. of spray mix per acre in California.
Walnuts	European Fruit Scale, Frosted Scale (summer stages), Red Spider Mites, San Jose Scale, Soft Shelled Scales	1/2 to 1 gal.	Apply 440 Superior Spray Oil during the late Spring to mid-Summer only. Do not apply after husk split.

FOLIAR APPLICATIONS - CONCENTRATE SPRAYS

Crop	Pest	440 Superior Spray per Acre	Further Use Instructions
Almonds, Apricots, Cherries, Nectarines, Peaches, Pistachio, Plums, Prunes	Brown Mite, European Red Mite, Pacific Spider Mite, Peach Twig Borer, Powdery Mildew, Two-Spotted Spider Mite	1 to 3 gals.	For Summer use with concentrate sprayers. Apply 440 Superior Spray Oil in 25 to 200 gals. water per acre. **Do not apply to trees lacking adequate moisture. On young trees and susceptible varieties, use lower rates. Special precautions should be used with Summer oil applications, because they have greater potential for plant and fruit damage then prebloom application.**

FOLIAR APPLICATIONS - CONCENTRATE SPRAYS (contiuned)

Crop	Pest	440 Superior Spray per Acre	Further Use Instructions
Apples	Codling Moth, Orchard Mites, Powdery Mildew, San Jose Scale	1 to 3 gals.	For Summer use with concentrate sprayers. Apply 440 Superior Spray Oil in 80 to 200 gals. water per acre. **On young trees and susceptible varieties, use lower rates. Special precautions should be used with Summer oil applications, because they have greater potential for plant and fruit damage than prebloom applications.**
Avocados	Mites (Avocado brown mite and Pracea mite), Thrips	4 to 15 gals.	Use in minimum of 50 to 100 gallons of water. When the application of oil is more than 2% v/v concentration, treat and observe a small test area. Allow enough time for symptoms to appear before continuing to spray. For Aerial applications use 1 to 6 gallons of oil per acre in 20 gallons of water per acre.
Citrus: Grapefruit, Lemons, Limes, Oranges (Navel and Valencia), Tangerines and Tangelos and other citrus hybrids	Citrus Red Mites	5 to 15 gals.	Apply 440 Superior Spray Oil as a concentrate spray application (mist sprayer) in 50 to 100 gals. water per acre. Apply to Valencia oranges only during the period from mid-July through August. Do not apply to lemons within 60 days of harvest. Concentrate spray applications require the spray droplets be discharged into an air stream pattern of high velocity (above 100 mph) and with sufficient volume to carry the spray through the tree. Ground speed should not exceed 1 1/2 mph. Observe all label notes, regarding the use of spray oils on citrus. Use only equipment capable of applying concentrate sprays.

FOLIAR APPLICATIONS - CONCENTRATE SPRAYS (contiuned)

Crop	Pest	440 Superior Spray per Acre	Further Use Instructions
Grapes	Mealybug	1/4 to 1 gal.	
Grapes (For Summer use)	Mites and Powdery Mildew	1/4 to 1 gal.	Do not exceed 1 gal. of 440 Superior Spray Oil per acre during Summer applications. Do not spray near the time of a sulfur application.
Olives	Mites, Scale	4 to 8 gals.	Use in minimum of 50 to 100 gallons of water. When the application of oil is more than 2% v/v concentration, treat and observe a small test area. Allow enough time for symptoms to appear before continuing to spray. For Aerial applications use 1 to 6 gallons of oil per acre in 20 gallons of water per acre.
Pears	Codling Moth, Orchard Mites, San Jose Scale and as a synergist for Pear Psylla insecticide	1 to 3 gals.	For Summer use with concentrate sprayers. Apply 440 Superior Spray Oil in 80 to 200 gals. water per acre. **On young trees and susceptible varieties, use lower rates. Special precautions should be used with Summer oil applications, because they have greater potential for plant and fruit damage than prebloom applications.**

DORMANT OR DELAYED DORMANT - DILUTE SPRAYS

Crop	Pest	440 Superior Spray per 100 gals. Water	Further Use Instructions
Almonds, Apricots, Cherries, Nectarines, Peaches, Pistachio, Plums, Prunes (See NOTE)	Aphids (eggs of), Black Scale, Brown Apricot Scale, European Fruit Lecanium, Frosted Scale, Italian Pear Scale, Oleander Scale, Olive Scale (Parlatoria Scale), Parthenolecanium Soft Scale, Powdery Mildew, Putnam Scale, Red spider Mites, San Jose Scale, Scale Insects (certain other), Soft Brown Scale	1 1/2 to 4 gals.	For dormant or delayed dormant use only. **NOTE:** For plums and prunes, spray only during the delayed dormant period. Oil sensitive varieties (such as, but not limited to Moyer or Queen Ann) may develp dead limbs or scaffolds, which will reduce yield. Do NOT exceed 8 gals. of 440 Superior Spray Oil per acre.

DORMANT OR DELAYED DORMANT - DILUTE SPRAYS (continued)

Crop	Pest	440 Superior Spray per 100 gals. Water	Further Use Instructions
Apples	Aphids, Mealybug, Red and Brown Mite eggs, Rust Mites, San Jose Scale	1 to 4 gals.	For delayed dormant use only. Do Not exceed 8 gals. of 440 Superior Spray Oil per acre.
Figs	Mealybug, Mites, Scale	1 to 3 gals.	**For dormant and delayed dormant use only.**
Grapes	Mealybug	See **NOTE**	For dormant use only up to bud break. NOTE: Use 4 to 6 gals. in 200 to 300 gals. of water per acre.
Kiwis	Greedy Scale, Latania Scale, Oleander Scale, San Jose Scale	4 to 6 gals.	Use 4 to 6 gals. of oil in a minimum of 100 gals. of water per acre. Use higher rate when scale populations are high.
Pears	Aphids (eggs of), Blister Mite, Italian Pear Scale, Pear Psylla, Red Spider and Brown Mite Eggs, San Jose Scale and a synergist for Pear Psylla insecticides and delay of pear psylla egg deposition	1 to 4 gals.	For dormant or delayed dormant use only. DO NOT exceed 8 gals. of 440 Superior Spray Oil per acre. If two applications of oils are used at dormant and delayed dormant stages, then reduce the oil rates to lower labeled amounts.
Pecans	Aphid (eggs), Mite (eggs), Scale	2 to 3 gals.	Use minimum of 200 gals. of water per acre. Use the lower rate when trees are in a weakened condition. Apply from late February until buds first break.

DORMANT OR DELAYED DORMANT - CONCENTRATE SPRAYS

Crop	Pest	440 Superior Spray per Acre	Further Use Instructions
Almonds, Apricots, Cherries, Nectarines, Peaches (see NOTE), Pistachio	Brown Apricot Scale, Mite Eggs, Olive Scale (Parlatoria Scale), Parthenolecanium Soft Scale, Peach Twig Borer, Powdery Mildew, San Jose Scale, Walnut Scale	3 to 6 gals	For dormant or delayed dormant use only. Apply 440 Superior Spray Oil in 25 to 200 gals. of water per acre. **Do not apply to trees lacking adequate moisture. NOTE:** Do not apply to oil sensitive varieties, because phytotoxicity to buds and new wood may result.
Apples	Aphid (eggs of), European Red and Brown Mite, Italian Pear Scale, (eggs of), Mealybug, San Jose Scale	2 to 6 gals.	For dormant or delayed dormant use only. Apply 440 Superior Spray Oil in 25 to 200 gals. of water per acre. **NOTE:** Do not apply to oil sensitive varieties, because phytotoxicity to buds and new wood may result.

DORMANT OR DELAYED DORMANT - CONCENTRATE SPRAYS (continued)

Crop	Pest	440 Superior Spray per Acre	Further Use Instructions
Bushberries and Caneberries such as, but not limited to, blackberry, blueberry, boysenberry, red and black raspberry, evergreen blackberry, kotat blackberry	Mites, Powdery Mildew, Rust	1 to 2 gals.	Use a minimum of 50 gallons water per acre. Do not exceed 2% solution.
Grapes	Mealybug	1 to 3 gals.	For dormant use only up to bud break. Use a minimum of 25 gallons of water per acre.
Pears (see NOTE)	European Red and Brown Mite (eggs of), Mealybug, Pear Psylla, San Jose Scale and a synergist for Pear Psylla insecticides and delay of Pear Psylla egg deposition	4 to 6 gals.	For dormant or delayed dormant use only. Apply 440 Superior Spray Oil in 40 to 200 gals. of water per acre. **NOTE:** Do not apply to oil sensitive varieties, because phytotoxicity to buds and new wood may result.
Pears (Washington Only)	Pear Psylla	3 to 4 gals. by air	For dormant use only. Apply by air in sufficient water to make a minimum of 10 gals. of dilute spray per acre.
Pecans	Aphid (eggs), Mite (eggs), Scale	6 to 8 gals.	Use a minimum of 20 to 125 gals. water per acre. Use the lower rate when trees are in a weakened condition. Apply from late February until buds first break.
Plums, Prunes (sse NOTE)	Aphid Eggs, Black Scale, Brown Apricot Scale, Brown mite Eggs, European Red Mite (eggs of), Mealy Plum Olive Scale (Parlatoria Scale), Plum Aphid Eggs, San Jose Scale	3 to 5 gals.	Apply 440 Superior Spray Oil in 40 to 125 gals. of water per acre. **NOTE:** For Plums and Prunes, spray only during the delayed dormant period. Oil sensitive varieties (such as, but not limited to Moyer or Queen Ann) may develop dead limbs or scaffolds, which will reduce yield.

DORMANT - DILUTE SPRAYS

Crop	Pest	440 Superior Spray per 100 gals. Water	Further Use Instructions
Ornamentals and Shade Trees including, Apple, Birch, Conifers (see NOTE), Dogwood, Flowering Cherry, Flowering Peach, Hawthorne, Holly, Magnolia, Maple, Oak, Privet, Pyracantha, Sycamores	Black Scale, Brown Apricot Scale, Oyster Shell Scale, San Jose Scale, Soft Brown Scale, Spider Mites and Eggs	1 to 2 gals.	**Use the low rate for non-deciduous varieties. NOTE:** Conifer application to Blue Spruce may cause discoloration. Do not use on conifers or ferns not tolerant to oil sprays. Allow sufficient rain event before/after a herbicidal or propargite application and an application of oil. Do not spray on freshly sheared or pruned needles, foliage or plant materials. For aerial application use 1 to 2 gals. of 440 Superior Spray Oil per acre in a minimum of 20 gals. of water per acre.

CHRISTMAS TREES

Crop	Pest	440 Superior Spray per Acre	Further Use Instructions
Christmas Trees* (For Winter use only)	Scale [(soft and hard), (immature stage)], Spider Mites	1/4 to 3/4 gals.	Use lower concentrations for more sensitive plants. Apply within the specified range of rates of 440 Superior Spray Oil in 40 to 100 gals. of spray per acre. Do not spray when freeze is anticipated.
*This product removes the glaucous (blue) bloom from such evergreens as Colorado Blue Spruce and Koster Spruce. Before using this product on certan plants, a test spray to determine effects should be performed on sensitive varieties, such as Chamaecypris, Cryptomeria, Douglas Fir, Japanese Holly, Juniper, Red Cedar, Spruce and some true Fir species.			

SEED CROP USES

Crop	Pest	440 Superior Spray per Acre	Further Use Instructions
Alfalfa (Seed Alfalfa Only)	Spider Mites	1/4 gals.	For use on seed alfalfa only. Apply in 20 to 30 gals. of water by ground application or 10 to 15 gals. of water by air with label-specified rates of Kelthane.
Grasses grown for seed	Powdery Mildew	1/4 to 3/4 gals.	Apply 440 Superior Spray Oil in 20 to 30 gals. of water by ground application or 10 to 15 gals. of water by air.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

PESTICIDE STORAGE: Keep pesticide in original container. Do not put concentrate or dilute into food or drink containers. Protect from water contamination during storage and transfer. Contamination with water may make this product unfit for its intended use. Always check emulsification (see Mixing Directions) before use. For help with any spill, leak, fire or exposure involving this material, call day or night 1-800-892-0099.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

REFILLABLE CONTAINER (110 gallons or greater): Refill this container with pesticides only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning the container before refilling is the responsibility of the refiller.

Container Disposal: To clean the container before final disposal, empty the remaining contents from this container into the production mix tank. Triple rinse the interior of the container with water by using a suitable hose and nozzle attachment or pressure rinser. Collect and store the rinsate for proper disposal. Then, offer the container for recycling or reconditioning, or puncture and dispose of in a sanitary landfill.

NONREFILLABLE CONTAINER (30 gallons): Do not reuse or refill this container.

Container Disposal: Triple rinse container (or equivalent) promptly after emptying.

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

Once cleaned, some agricultural plastic pesticide containers can be taken to a container collection site or picked up for recycling. To find the nearest site, contact your chemical dealer or manufacturer, or contact Ag Container Recycling Council (ACRC) at 877-952-2272 or rperkins@acrecycle.org.

NONREFILLABLE CONTAINER (5 gallons): Do not reuse or refill this container.

Container Disposal: Triple rinse container (or equivalent) promptly after emptying.

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Once cleaned, some agricultural plastic pesticide containers can be taken to a container collection site or picked up for recycling. To find the nearest site, contact your chemical dealer or manufacturer, or contact Ag Container Recycling Council (ACRC) at 877-952-2272 or rperkins@acrecycle.org.

Conditions of Sale and Limitation of Warranty and Liability:

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using the product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

ALL STATEMENTS MADE HEREIN ARE SUBJECT TO APPLICABLE LAW, AND TO THE EXTENT THERE IS ANY INCONSISTENCY OR CONTENTION, APPLICABLE LAW SHALL GOVERN.

The Directions for Use of the product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of many different factors including, without limitation, manner of use or application, weather, combination with other products, or crop conditions. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Manufacturer and Seller harmless from any claims relating to such factors.

Seller warrants that this product conforms to the chemical description on the label. EXCEPT FOR THIS WARRANTY, THE PRODUCT IS FURNISHED "AS-IS," AND NEITHER SELLER NOR MANUFACTURER MAKES ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, WITH RESPECT TO THE SELECTION, PURCHASE OR USE OF THIS PRODUCT; SELLER AND MANUFACTURER SPECIFICALLY DISCLAIM ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE BEYOND WHAT IS STATED ON THE LABEL. Buyer and User accept all risks arising from any use of this product, including without limitation, uses contrary to label instructions, or under conditions not reasonably foreseeable to (or beyond the control of) Seller or Manufacturer.

Neither Manufacturer nor Seller shall be liable for any incidental, consequential or special damages resulting from the use or handling of this product. THE EXCLUSIVE REMEDY OF THE BUYER OR USER, AND THE EXCLUSIVE LIABILITY OF MANUFACTURER AND SELLER, FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THIS PRODUCT, OR, AT THE ELECTION OF MANUFACTURER OR SELLER, THE REPLACEMENT OF THE PRODUCT.

These Conditions of Sale and Limitation of Warranty and Liability shall be interpreted, unless otherwise required by the law of the state of purchase, in accordance with the laws of the State of California, excluding its conflicts of laws rules, and may not be amended by any oral or written agreement.

TANK MIXES

NOTICE: Tank mixing or use of this product with any other product which is not specifically and expressly authorized by the label shall be the exclusive risk of user, applicator and/or application advisor.

Read and follow the entire label of each product to be used in the tank mix with this product.

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F-121709-1

Manufactured in U.S.A. by:

WILBUR-ELLIS COMPANY
PO BOX 16458
FRESNO, CA 93755
(559) 442-1220

Batch Code____

NET CONTENTS:
☐Bulk gals.
☐30 gals.
☐5 gals

WILBUR-ELLIS®

470 Supreme Spray Oil

(INSECTICIDE - FUNGICIDE - MITICIDE)

ACTIVE INGREDIENT	By Wt.
Mineral Oil*	99.00%
OTHER INGREDIENTS	1.00%
TOTAL	100.00%

*Contains petroleum distillates
Min. Unsulfonated Residue - 99%
Petroleum Oil Classification - Unclassified

KEEP OUT OF REACH OF CHILDREN

CAUTION

NOTIFICATION

JAN 12 2011

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if absorbed through the skin. Avoid contact with eyes, skin or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

FIRST AID	
If on skin or clothing:	-Take off contaminated clothing. -Rinse skin immediately with plenty of water for 15 to 20 minutes. -Call a poison control center or doctor for treatment advice.
If in eyes:	-Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. -Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. -Call a poison control center or doctor for treatment advice.
If swallowed:	-Call a poison control center or doctor for treatment advice. -Do not induce vomiting unless told to do so by a poison control center or doctor. -Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.
If Inhaled:	-Move person to fresh air. -If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. -Call a poison control center or doctor for further treatment advice.
HOT LINE NUMBER: Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-800-892-0099 for emergency medical treatment information. **NOTE TO PHYSICIANS:** This product contains petroleum distillates and may pose an aspiration pneumonia hazard.	

EPA Reg. No. 2935-546
EPA Est. No. 2935-CA-1^{F}, 2935-CA-19^{R}, 2935-CA-31^{H}
Superscript used is the first letter of the lot number.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are barrier laminate and viton. If you want more options, follow the instructions for category G on an EPA chemical-resistance category selection chart.

Mixers, loaders, applicators, flaggers and other handlers must wear:

- long-sleeve shirt and long pants,
- shoes plus socks, and
- chemical resistant gloves

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent material that have been drenched or heavily contaminated with the product's concentrate. Do not reuse them.

ENGINEERING CONTROLS

Pilots must use an enclosed cockpit that meets the requirements listed in the WPS for agricultural pesticides [40 CFR 170.240(d)(6)].

ENVIRONMENTAL HAZARDS

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.
Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas.

PHYSICAL OR CHEMICAL HAZARDS

Do not use, pour or store near heat or open flame.

USER SAFETY REQUIREMENTS

Users should:
•Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
•Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
•Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.

PPE required for early entry to treated area that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:
•coveralls
•shoes plus socks and
•chemical-resistant gloves made of any waterproof material

PRODUCT INFORMATION AND RESTRICTIONS

470 Supreme Spray Oil is an especially refined Phytonomic Oil Contact Insecticide. It is for use on plants in foliage or the dormant stage.

When using this product in combination with other pesticides as directed on this label, observe appropriate cautions, limitations for the product involved.

For foliage applications, the spray tank must be free of any sulfur residue before using 470 Supreme Spray Oil. Do not combine sulfur sprays with 470 Supreme Spray Oil on foliage and do not follow a previous application of sulfur or apply sulfur following 470 Supreme Spray Oil until sufficient time has elapsed for safety (at least 30 days). If in doubt, spray a portion of one tree previously treated with sulfur, using 1 qt. to 25 gals. water. If sufficient time has not elapsed, burn will show in several days.

Do not use 470 Supreme Spray Oil when temperatures are above 90° Fahrenheit. When temperatures drop below 32° Fahrenheit (usually nighttime lows), do not spray tree and vine crops until daytime temperatures have warmed to a point above 35° Fahrenheit and are free from moisture due to melting frost or heavy dews. Do not use on foliage closer than 60 days after or 90 days before using captan or folpet products.

IMPORTANT: Applications of oil before and during freeze conditions can increase damage.

Application to trees weakened by disease, drought, drying winds, or high nitrogen applications may result in oil injury.

Do not apply 470 Supreme Spray Oil as a concentrate spray to Queen Ann variety or other oil sensitive varieties as phytotoxicity to buds and new wood will result.

Observe on all crops and uses - oil effectiveness in dormant and delayed dormant applications is determined by thoroughness of coverage. Concentrate applications may reduce coverage and effectiveness. Oil applications made to trees that are weak or suffering from moisture stress or when slow drying of spray occurs may cause bud, twig or leaf injury.

Phytotoxicity studies have not been made on all fruit varieties or in all growing areas for concentrate applications. Concentrate spraying is a more exacting technique of spray application than dilute. Concentrate spray equipment must be properly calibrated and operated to obtain desired results.

Multiple concentrate application may cause wood injury. Double applications can occur on the ends of the row during turning - turn off sprayer to avoid multiple applications. Equipment must be capable of giving thorough coverage for maximum insecticidal effectiveness. If San Jose Scale is a moderate to severe problem, use dilute application. Concentrate applications may delay bud development. The following conditions may cause oil injury: cool, damp, or extremely dry weather; broken emulsions and/or faulty application. Follow state recommendations and cautions.

Do not apply this product through any type of irrigation system.

Do not apply under conditions involving possible drift to food, forage or other plantings that might be damaged or the crops thereof unfit for sale, use or consumption.

SPRAY DRIFT MANAGEMENT

A variety of factors including weather conditions (e.g., wind direction, wind speed, temperature, relative humidity) and method of application (e.g., ground, aerial, airblast) can influence pesticide drift. The applicator and grower must evaluate all factors and make appropriate adjustments when applying this product.

Do not apply at wind speeds greater than 15 mph at the application site.

Apply as a medium or coarser spray (ASABE standard 572), and the minimum volume mean diameter (VMD) for spinning atomizer nozzles.

Ground Application

Apply using a nozzle height of no more than 4 feet above the ground or crop canopy.

Do not apply at wind speeds greater then 15 mph at the application site.

If applying at wind speeds less than 3 mph, the applicator must determine if a) conditions of temperature inversion exist, or b) stable atmospheric conditions exist at or below nozzle height. Do not make applications into areas of temperature inversions or stable atmospheric conditions.

Apply as a medium or coarser spray (ASABE standard 572), and the minimum volume mean diameter (VMD) for spinning atomizer nozzles.

For airblast applications, turn off outward pointing nozzles at row ends and when spraying outer row. To minimize spray loss over the top in orchard applications, spray must be directed into the canopy.

Aerial Application

For aerial applications of agricultural products, do not release spray at a height greater then 10 feet above the ground, top of crops, or above the orchard canopy.

The boom length must not exceed 75% of the wingspan or 90% of the rotor blade diameter.

When applications are made with a cross-wind, the swath will be displaced downwind. The applicator must compensate for this displacement at the downwind edge of the application area by adjusting the path of the aircraft upwind. Leave at least one swath unsprayed at the downwind edge of the treated field.

Do not apply at wind speeds greater then 15 mph at the application site.

If applying at wind speeds less than 3 mph, the applicator must determine if a) conditions of temperature inversion exist, or b) stable atmospheric conditions exist at or below nozzle height. Do not make applications into areas of temperature inversions or stable atmospheric conditions.

Apply as a medium or coarser spray (ASABE standard 572), and the minimum volume mean diameter (VMD) for spinning atomizer nozzles.

ADDITIONAL PRECAUTIONS FOR AERIAL APPLICATIONS

Apply quantity of product shown for each listed crop for control of listed insects in sufficient water to make a minimum of 20 gallons dilute spray per acre by air application. Follow timing shown for each crop as shown on container label. **Use the aerial application method only when soil conditions do not permit regular ground application. Aerial applications of 470 Supreme Spray Oil are less effective than ground applications due to rate limitations and lack of thorough coverage.**

MIXING DIRECTIONS

Check this product for proper emulsification by mixing a small quantity of it with water in a small container before filling the entire spray tank. Correct emulsification is indicated when a uniform mixture, with a cloudy white color, results on shaking. If this mixture is not a milky emulsion after shaking, do no use the remaining product. With agitator running, start filling spray tank with water. When combining with wettable powder insecticide or fungicide products, add these first when tank is 1/3 filled. Add 470 Supreme Spray Oil when tank is about 1/2 full and while there is sufficient agitation of the spray to ensure complete emulsification.

FOLIAR APPLICATIONS - DILUTE SPRAYS

Crop	Pest	470 Supreme Spray per 100 gals. Water	Further Use Instructions
Almonds, Apricots, Cherries, Nectarines, Peaches, Pistachio, Plums, Prunes	Brown Apricot Scale, Mites, Pacific Spider Mites, Peach Twig Borer, Powdery Mildew, Red Spider Mites, San Jose Scale	1-2 gals.	For Summer stages of pests. DO NOT exceed 4 gals. of 470 Supreme Spray Oil per acre. **On young trees and susceptible varieties, use lower rates. Special precautions should be used with Summer oil applications, because they have greater potential for plant and fruit damage than pre-bloom applications.** Applications of oil before and during freeze conditions can increase damage.

FOLIAR APPLICATIONS - DILUTE SPRAYS (continued)

Crop	Pest	470 Supreme Spray per 100 gals. Water	Further Use Instructions
Apples	Codling Moth, Orchard Mites, Powdery Mildew, Rust Mites, San Jose Scale	1/2 to 2 gals.	For Summer use, DO NOT exceed 4 gals. of 470 Supreme Spray Oil per acre. **On young trees and susceptible varieties, use lower rates. Special precautions should be used with Summer oil applications, because they have greater potential for plant and fruit damage than pre-bloom applications.**
Avocados	Mites (Avocado brown mite and Pracea mite), Thrips	1/2 to 1 gal.	Apply within the specified range of rates to achieve optimum coverage in 400 to 3000 gals. per acre is suggested. When applying more than 2% v/v concentration, treat and observe a small test area. Allow enough time for symptoms to appear before continuing to spray.
Bushberries and Caneberries, including blackberry, blueberry, boysenberry, red and black raspberry, evergreen blackberry, kotata blackberry	Mites, Powdery Mildew, Rust, Scale	1/2 to 1 1/2 gals.	Using ground equipment, apply spray for optimum coverage and thorough leaf wetness. For use on fungal diseases, increased spray pressures (psi) sufficient to penetrate canopy are recommended.
Citrus: Grapefruit, Lemons, Limes, Tangerines, Tangelos and other citrus hybrids	Black Scale, Purple Scale, Red Scale, Red Spider Mites, Yellow Scale	1 to 1 1/4 gals.	Apply 470 Supreme Spray Oil during winter and spring months when Red Scale are more easily controlled and trees generally are less reactive to oil sprays. When using this product on citrus in Florida or Texas, do not exceed a maximum of 159 pounds of active ingredient, or a maximum of 1500 gallons of spray mix per acre. When using this product on citrus in California, do not exceed a maximum of 212 pounds of active ingredient, or a maximum of 2000 gallons of spray mix per acre. Do not use within 8 weeks of harvest on lemons.

FOLIAR APPLICATIONS - DILUTE SPRAYS (continued)

Crop	Pest	470 Supreme Spray per 100 gals. Water	Further Use Instructions
Coffee	Scale	3 to 6 gals.	Apply when insects first appear and treat as necessary art 30-60 day intervals. Do not exceed 18 gals. of 470 Supreme Spray Oil per acre in a growing season. Do not apply within 30 days of harvest when berries are to be handpicked. Oil residues make hand picking difficult.
Corn (sweet and field)	Aphids, Armyworm, Corn Earworm, Leafminers, Mites, Rootworm, Whitefly	1 to 2 gals.	
Figs	Mealybug, Mites, Scale	1 to 2 gals.	
Grapes	Mealybug	See NOTE	For (Post Harvest), fall spray use only. NOTE: Use 4 to 6 gals. in 200 to 300 gals. of water per acre.
	For summer use on Mites and Powdery Mildew	1/4 to 1 gal.	DO NOT exceed 1 gallon of oil per acre during Summer applications. Do not spray near the time of a sulfur application.
Hops (Not registered for use in California)	Mites	1 to 5 gals.	Apply 470 Supreme Spray Oil Oil with ground equipment only. Thorough coverage is essential. Use 50 to 200 gals. of dilute spray per acre depending upon plant size. Make applications as needed.
	Powdery Mildew	1 to 5 gals.	Apply 470 Supreme Spray Oil Oil with ground equipment only. Thorough coverage is essential. Use 50 to 200 gals. of dilute spray per acre depending upon plant size. Make first application at early leaf stage. Repeat every 7 to 14 days depending upon new growth. Use shorter interval and/or the higher rate when the conditions for infection are move severe.
	Do not use Propargite (Omite) with or following an oil spray. Do not spray wet foliage or if temperature is above 90° Fahrenheit or if plants are under heat or moisture stress.		

FOLIAR APPLICATIONS - DILUTE SPRAYS (continued)

Crop	Pest	470 Supreme Spray per 100 gals. Water	Further Use Instructions
Navel Oranges	Black Scale, Purple Scale, Red Scale, Red Spider Mites, Yellow Scale	3/4 gal.	Do not use on Navel oranges after September 1 Do not apply more than 159 gals. of active ingredient or more than 1,500 gals. of spray mix per acre in Florida and Texas. Do Not apply more than 212 gals. of active ingredient or more than 2,000 gals. of spray mix per acre in California.
Olives	Black Scale, Oleander Scale, Olive Scale (Parlatoria Scale), Spider Mites	1 1/2 gals.	Apply 470 Supreme Spray Oil in the prebloom or in postbloom up to buckshot growth stage.
Olives (California Only)	Black Scale	1 to 1 1/2 gals.	Apply 400 to 800 gals. dilute spray per acre. Make applications between July 1 and August 31. Higher concentrations of 470 Supreme Spray Oil than noted above may cause phytotoxicity.
Ornamentals and Shade Trees: Apple, Birch, Conifers (see NOTE), Dogwood, Flowering Peach, Flowering Cherry, Hawthorne, Holly, Magnolia, Maple, Oak, Privet, Pyracantha, Sycamores	Black Scale, Brown Apricot Scale, Oyster Shell Scale, San Jose Scale, Soft Brown Scale, Spider Mites and Eggs	1 gal.	**NOTE:** Conifer applications to blue spruce may cause discoloration. Do not use on conifers or ferns not tolerant to oil sprays. Allow a sufficient rain event before or after a herbicidal or propargite application and an application of oil.
Pears	Codling Moth, Orchard Mites, Red Spider Mites, San Jose Scale and as a synergist for Pear Psylla insecticides	1/2 to 2 gals.	For Summer use, DO NOT exceed 4 gals. 470 Supreme Spray Oil per acre. **On young trees and susceptible varieties, use lower rates. Special precautions should be used with Summer oil applications, because they have greater potential for plant and fruit damage then prebloom applications.**
	Italian Pear Scale, San Jose Scale	1 to 1 1/2 gals.	Apply 470 Supreme Spray Oil to Summer forms of San Jose and Italian Pear Scale.

FOLIAR APPLICATIONS - DILUTE SPRAYS (continued)

Crop	Pest	470 Supreme Spray per 100 gals. Water	Further Use Instructions
Strawberries	Butteries, Leafminers, Mites, Powdery Mildew	1/2 to 3/4 gals.	**Spray at no less than 400 psi using ceramic spray nozzles (ALBUS(R) ATR), lilac color or their equivalent.**
Sugar Beets	Aphids, Armyworm, Corn Earworm, Leafminers, Mites, Rootworm, Whitefly	2 gals.	
Valencia Oranges	Black Scale, Purple Scale, Red Scale, Red Spider Mites, Yellow Scale	1 gal.	Do not apply to Valencia oranges after Sept. 1. Do not apply more than 159 gals. of active ingredients or more than 1,500 gals. of spray mix per acre in Florida and Texas. Do not apply more than 212 gals. of active ingredient or more than 2,000 gals. of spray mix per acre in California.
Walnuts	European Fruit Scale, Frosted Scale (summer stages), Red Spider Mites, San Jose Scale, Soft Shelled Scales	1/2 to 1 gal.	Apply 470 Supreme Spray Oil during the late Spring to mid-Summer only. Do not apply after husk split.

FOLIAR APPLICATIONS - CONCENTRATE SPRAYS

Crop	Pest	470 Supreme Spray per Acre	Further Use Instructions
Almonds, Apricots, Cherries, Nectarines, Peaches, Pistachio, Plums, Prunes	Brown Mite, European Red Mite, Pacific Spider Mite, Peach Twig Borer, Powdery Mildew, Two-Spotted Spider Mite	1 to 3 gals.	For Summer use with concentrate sprayers. Apply 470 Supreme Spray Oil in 25 to 200 gals. water per acre. **Do not apply to trees lacking adequate moisture. On young trees and susceptible varieties, use lower rates. Special precautions should be used with Summer oil applications, because they have greater potential for plant and fruit damage then prebloom application.**

FOLIAR APPLICATIONS - CONCENTRATE SPRAYS (contiuned)

Crop	Pest	470 Supreme Spray per Acre	Further Use Instructions
Apples	Codling Moth, Orchard Mites, Powdery Mildew, San Jose Scale	1 to 3 gals.	For Summer use with concentrate sprayers. Apply 470 Supreme Spray Oil in 80 to 200 gals. water per acre. **On young trees and susceptible varieties, use lower rates. Special precautions should be used with Summer oil applications, because they have greater potential for plant and fruit damage than prebloom applications.**
Avocados	Mites (Avocado brown mite and Pracea mite), Thrips	4 to 15 gals.	Use in minimum of 50 to 100 gallons of water. When the application of oil is more than 2% v/v concentration, treat and observe a small test area. Allow enough time for symptoms to appear before continuing to spray. For Aerial applications use 1 to 6 gallons of oil per acre in 20 gallons of water per acre.
Citrus: Grapefruit, Lemons, Limes, Oranges (Navel and Valencia),Tangerines and Tangelos and other citrus hybrids	Citrus Red Mites	5 to 15 gals.	Apply 470 Supreme Spray Oil as a concentrate spray application (mist sprayer) in 50 to 100 gals. water per acre. Apply to Valencia oranges only during the period from mid-July through August. Do not apply to lemons within 60 days of harvest. Concentrate spray applications require the spray droplets be discharged into an air stream pattern of high velocity (above 100 mph) and with sufficient volume to carry the spray through the tree. Ground speed should not exceed 1 1/2 mph. Observe all label notes, regarding the use of spray oils on citrus. Use only equipment capable of applying concentrate sprays.

FOLIAR APPLICATIONS - CONCENTRATE SPRAYS (contiuned)

Crop	Pest	470 Supreme Spray per Acre	Further Use Instructions
Grapes	Mealybug	1/4 to 1 gal.	
Grapes (For Summer use)	Mites and Powdery Mildew	1/4 to 1 gal.	Do not exceed 1 gal. of 470 Supreme Spray Oil per acre during Summer applications. Do not spray near the time of a sulfur application.
Olives	Mites, Scale	4 to 8 gals.	Use in minimum of 50 to 100 gallons of water. When the application of oil is more than 2% v/v concentration, treat and observe a small test area. Allow enough time for symptoms to appear before continuing to spray. For Aerial applications use 1 to 6 gallons of oil per acre in 20 gallons of water per acre.
Pears	Codling Moth, Orchard Mites, San Jose Scale and as a synergist for Pear Psylla insecticide	1 to 3 gals.	For Summer use with concentrate sprayers. Apply 470 Supreme Spray Oil in 80 to 200 gals. water per acre. **On young trees and susceptible varieties, use lower rates. Special precautions should be used with Summer oil applications, because they have greater potential for plant and fruit damage than prebloom applications.**

DORMANT OR DELAYED DORMANT - DILUTE SPRAYS

Crop	Pest	470 Supreme Spray per 100 gals. Water	Further Use Instructions
Almonds, Apricots, Cherries, Nectarines, Peaches, Pistachio, Plums, Prunes (See NOTE)	Aphids (eggs of), Black Scale, Brown Apricot Scale, European Fruit Lecanium, Frosted Scale, Italian Pear Scale, Oleander Scale, Olive Scale (Parlatoria Scale), Parthenolecanium Soft Scale, Powdery Mildew, Putnam Scale, Red spider Mites, San Jose Scale, Scale Insects (certain other), Soft Brown Scale	1 1/2 to 4 gals.	For dormant or delayed dormant use only. **NOTE:** For plums and prunes, spray only during the delayed dormant period. Oil sensitive varieties (such as, but not limited to Moyer or Queen Ann) may develp dead limbs or scaffolds, which will reduce yield. Do NOT exceed 8 gals. of 470 Supreme Spray Oil per acre.

DORMANT OR DELAYED DORMANT - DILUTE SPRAYS (continued)

Crop	Pest	470 Supreme Spray per 100 gals. Water	Further Use Instructions
Apples	Aphids, Mealybug, Red and Brown Mite eggs, Rust Mites, San Jose Scale	1 to 4 gals.	For delayed dormant use only. Do Not exceed 8 gals. of 470 Supreme Spray Oil per acre.
Figs	Mealybug, Mites, Scale	1 to 3 gals.	**For dormant and delayed dormant use only.**
Grapes	Mealybug	See **NOTE**	For dormant use only up to bud break. NOTE: Use 4 to 6 gals. in 200 to 300 gals. of water per acre.
Kiwis	Greedy Scale, Latania Scale, Oleander Scale, San Jose Scale	4 to 6 gals.	Use 4 to 6 gals. of oil in a minimum of 100 gals. of water per acre. Use higher rate when scale populations are high.
Pears	Aphids (eggs of), Blister Mite, Italian Pear Scale, Pear Psylla, Red Spider and Brown Mite Eggs, San Jose Scale and a synergist for Pear Psylla insecticides and delay of pear psylla egg deposition	1 to 4 gals.	For dormant or delayed dormant use only. DO NOT exceed 8 gals. of 470 Supreme Spray Oil per acre. If two applications of oils are used at dormant and delayed dormant stages, then reduce the oil rates to lower labeled amounts.
Pecans	Aphid (eggs), Mite (eggs), Scale	2 to 3 gals.	Use minimum of 200 gals. of water per acre. Use the lower rate when trees are in a weakened condition. Apply from late February until buds first break.

DORMANT OR DELAYED DORMANT - CONCENTRATE SPRAYS

Crop	Pest	470 Supreme Spray per Acre	Further Use Instructions
Almonds, Apricots, Cherries, Nectarines, Peaches (see NOTE), Pistachio	Brown Apricot Scale, Mite Eggs, Olive Scale (Parlatoria Scale), Parthenolecanium Soft Scale, Peach Twig Borer, Powdery Mildew, San Jose Scale, Walnut Scale	3 to 6 gals	For dormant or delayed dormant use only. Apply 470 Supreme Spray Oil in 25 to 200 gals. of water per acre. **Do not apply to trees lacking adequate moisture. NOTE:** Do not apply to oil sensitive varieties, because phytotoxicity to buds and new wood may result.
Apples	Aphid (eggs of), European Red and Brown Mite, Italian Pear Scale, (eggs of), Mealybug, San Jose Scale	2 to 6 gals.	For dormant or delayed dormant use only. Apply 470 Supreme Spray Oil in 25 to 200 gals. of water per acre. **NOTE:** Do not apply to oil sensitive varieties, because phytotoxicity to buds and new wood may result.

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DORMANT OR DELAYED DORMANT - CONCENTRATE SPRAYS (continued)

Crop	Pest	470 Supreme Spray per Acre	Further Use Instructions
Bushberries and Caneberries such as, but not limited to, blackberry, blueberry, boysenberry, red and black raspberry, evergreen blackberry, kotat blackberry	Mites, Powdery Mildew, Rust	1 to 2 gals.	Use a minimum of 50 gallons water per acre. Do not exceed 2% solution.
Grapes	Mealybug	1 to 3 gals.	For dormant use only up to bud break. Use a minimum of 25 gallons of water per acre.
Pears (see NOTE)	European Red and Brown Mite (eggs of), Mealybug, Pear Psylla, San Jose Scale and a synergist for Pear Psylla insecticides and delay of Pear Psylla egg deposition	4 to 6 gals.	For dormant or delayed dormant use only. Apply 470 Supreme Spray Oil in 40 to 200 gals. of water per acre. **NOTE:** Do not apply to oil sensitive varieties, because phytotoxicity to buds and new wood may result.
Pears (Washington Only)	Pear Psylla	3 to 4 gals. by air	For dormant use only. Apply by air in sufficient water to make a minimum of 10 gals. of dilute spray per acre.
Pecans	Aphid (eggs), Mite (eggs), Scale	6 to 8 gals.	Use a minimum of 20 to 125 gals. water per acre. Use the lower rate when trees are in a weakened condition. Apply from late February until buds first break.
Plums, Prunes (sse NOTE)	Aphid Eggs, Black Scale, Brown Apricot Scale, Brown mite Eggs, European Red Mite (eggs of), Mealy Plum Olive Scale (Parlatoria Scale), Plum Aphid Eggs, San Jose Scale	3 to 5 gals.	Apply 470 Supreme Spray Oil in 40 to 125 gals. of water per acre. **NOTE:** For Plums and Prunes, spray only during the delayed dormant period. Oil sensitive varieties (such as, but not limited to Moyer or Queen Ann) may develop dead limbs or scaffolds, which will reduce yield.

DORMANT - DILUTE SPRAYS

Crop	Pest	470 Supreme Spray per 100 gals. Water	Further Use Instructions
Ornamentals and Shade Trees including, Apple, Birch, Conifers (see NOTE), Dogwood, Flowering Cherry, Flowering Peach, Hawthorne, Holly, Magnolia, Maple, Oak, Privet, Pyracantha, Sycamores	Black Scale, Brown Apricot Scale, Oyster Shell Scale, San Jose Scale, Soft Brown Scale, Spider Mites and Eggs	1 to 2 gals.	**Use the low rate for non-deciduous varieties. NOTE:** Conifer application to Blue Spruce may cause discoloration. Do not use on conifers or ferns not tolerant to oil sprays. Allow sufficient rain event before/after a herbicidal or propargite application and an application of oil. Do not spray on freshly sheared or pruned needles, foliage or plant materials. For aerial application use 1 to 2 gals. of 470 Supreme Spray Oil per acre in a minimum of 20 gals. of water per acre.

CHRISTMAS TREES

Crop	Pest	470 Supreme Spray per Acre	Further Use Instructions
Christmas Trees* (For Winter use only)	Scale [(soft and hard), (immature stage)], Spider Mites	1/4 to 3/4 gals.	Use lower concentrations for more sensitive plants. Apply within the specified range of rates of 470 Supreme Spray Oil in 40 to 100 gals. of spray per acre. Do not spray when freeze is anticipated.
*This product removes the glaucous (blue) bloom from such evergreens as Colorado Blue Spruce and Koster Spruce. Before using this product on certan plants, a test spray to determine effects should be performed on sensitive varieties, such as Chamaecypris, Cryptomeria, Douglas Fir, Japanese Holly, Juniper, Red Cedar, Spruce and some true Fir species.			

SEED CROP USES

Crop	Pest	470 Supreme Spray per Acre	Further Use Instructions
Alfalfa (Seed Alfalfa Only)	Spider Mites	1/4 gals.	For use on seed alfalfa only. Apply in 20 to 30 gals. of water by ground application or 10 to 15 gals. of water by air with label-specified rates of Kelthane.
Grasses grown for seed	Powdery Mildew	1/4 to 3/4 gals.	Apply 470 Supreme Spray Oil in 20 to 30 gals. of water by ground application or 10 to 15 gals. of water by air.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

PESTICIDE STORAGE: Keep pesticide in original container. Do not put concentrate or dilute into food or drink containers. Protect from water contamination during storage and transfer. Contamination with water may make this product unfit for its intended use. Always check emulsification (see Mixing Directions) before use. For help with any spill, leak, fire or exposure involving this material, call day or night 1-800-892-0099.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

REFILLABLE CONTAINER (110 gallons or greater): Refill this container with pesticides only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning the container before refilling is the responsibility of the refiller.

Container Disposal: To clean the container before final disposal, empty the remaining contents from this container into the production mix tank. Triple rinse the interior of the container with water by using a suitable hose and nozzle attachment or pressure rinser. Collect and store the rinsate for proper disposal. Then, offer the container for recycling or reconditioning, or puncture and dispose of in a sanitary landfill.

NONREFILLABLE CONTAINER (30 gallons): Do not reuse or refill this container.

Container Disposal: Triple rinse container (or equivalent) promptly after emptying.

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

Once cleaned, some agricultural plastic pesticide containers can be taken to a container collection site or picked up for recycling. To find the nearest site, contact your chemical dealer or manufacturer, or contact Ag Container Recycling Council (ACRC) at 877-952-2272 or rperkins@acrecycle.org.

NONREFILLABLE CONTAINER (5 gallons): Do not reuse or refill this container.

Container Disposal: Triple rinse container (or equivalent) promptly after emptying.

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Once cleaned, some agricultural plastic pesticide containers can be taken to a container collection site or picked up for recycling. To find the nearest site, contact your chemical dealer or manufacturer, or contact Ag Container Recycling Council (ACRC) at 877-952-2272 or rperkins@acrecycle.org.

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Conditions of Sale and Limitation of Warranty and Liability:

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using the product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

ALL STATEMENTS MADE HEREIN ARE SUBJECT TO APPLICABLE LAW, AND TO THE EXTENT THERE IS ANY INCONSISTENCY OR CONTENTION, APPLICABLE LAW SHALL GOVERN.

The Directions for Use of the product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of many different factors including, without limitation, manner of use or application, weather, combination with other products, or crop conditions. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Manufacturer and Seller harmless from any claims relating to such factors.

Seller warrants that this product conforms to the chemical description on the label. EXCEPT FOR THIS WARRANTY, THE PRODUCT IS FURNISHED "AS-IS," AND NEITHER SELLER NOR MANUFACTURER MAKES ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, WITH RESPECT TO THE SELECTION, PURCHASE OR USE OF THIS PRODUCT; SELLER AND MANUFACTURER SPECIFICALLY DISCLAIM ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE BEYOND WHAT IS STATED ON THE LABEL. Buyer and User accept all risks arising from any use of this product, including without limitation, uses contrary to label instructions, or under conditions not reasonably foreseeable to (or beyond the control of) Seller or Manufacturer.

Neither Manufacturer nor Seller shall be liable for any incidental, consequential or special damages resulting from the use or handling of this product. THE EXCLUSIVE REMEDY OF THE BUYER OR USER, AND THE EXCLUSIVE LIABILITY OF MANUFACTURER AND SELLER, FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THIS PRODUCT, OR, AT THE ELECTION OF MANUFACTURER OR SELLER, THE REPLACEMENT OF THE PRODUCT.

These Conditions of Sale and Limitation of Warranty and Liability shall be interpreted, unless otherwise required by the law of the state of purchase, in accordance with the laws of the State of California, excluding its conflicts of laws rules, and may not be amended by any oral or written agreement.

TANK MIXES

NOTICE: Tank mixing or use of this product with any other product which is not specifically and expressly authorized by the label shall be the exclusive risk of user, applicator and/or application advisor.

Read and follow the entire label of each product to be used in the tank mix with this product.

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WILBUR-ELLIS COMPANY
PO BOX 16458
FRESNO, CA 93755
(559) 442-1220

Batch Code____

NET CONTENTS:
☐Bulk gals.
☐30 gals.
☐5 gals.